

In the Claims:

Please amend Claims 1-10, 20 and 35-41; cancel Claims 11-19 and 28-34; and add Claims 42-50, all as shown below. Applicant respectfully reserves the right to prosecute any originally presented claims in a continuing or future application.

1. (Currently Amended) A system for providing an extensible administration tool, said system comprising:

a server connected to a network, the server including one or more processors;

a control tree including one or more nodes, each node corresponding to a control panel that invokes functionality of an application;

a plurality of applications provided on the server managed by the extensible administration tool, the administration tool including the control tree and the control panel, wherein the extensible administration tool is extended by adding one or more new control panels, each new control panel being added by creating a new node in the control tree;

a first graphical user interface (GUI) operable to provide hierarchical navigation of [[a]] the control tree;

a second GUI operable to provide at least one the control panel;

a framework for customizing the first and second GUIs; and

wherein when a new application is added to the network, the server

receives a command to create the new node in the control tree,

associates the new node with the new application, wherein the new node in the control tree is associated with a managed bean object, the managed bean object defining where the new node appears in the control tree of the first GUI, and

activates the new wherein the at least one control panel within the second GUI upon selecting can be activated by selection of the new node in the control tree, wherein the control panel includes customizable functions operable to administer resources within the new application [[;]]

wherein the administration tool is used to administer software and wherein the administration tool is extensible by adding the at least one control panel, the at least one control panel being added by updating the tree;

wherein the administration tool is used to administer an application server, the application server adapted to host application;

wherein the console extension allowing for custom management of applications deployed onto the application server;

wherein nodes in the tree are associated with MBean objects and the tree is updated by associating a user extension with one of the MBean objects;

wherein the tree node where a user can access the console extension is a child of the node of the one of the MBean objects;

wherein the extensible administration tool runs on at least one processor.

2. (Currently Amended) The tool-system of claim 1 wherein the framework comprises:
 - a first group of services related to extending the tree; and
 - a second group of services related to defining a control panel.
3. (Currently Amended) The tool-system of claim 2 wherein the first group of services includes:
 - first functions operable to add a node to the tree; and
 - wherein the node can be associated with an icon and/or a Uniform Resource Locator (URL).
4. (Currently Amended) The tool-system of claim 3 wherein:
 - the URL is the address of a control panel implementation.
5. (Currently Amended) The tool-system of claim 2 wherein the second group of services includes:
 - first functions operable to create a control panel.
6. (Currently Amended) The tool-system of claim 1 wherein:
 - the tree contains at least one node; and
 - wherein the at least one node can represent a network-accessible entity that can be administratively controlled by the tool.
7. (Currently Amended) The tool-system of claim 1 wherein:
 - the tree contains at least one node; and
 - wherein the at least one node is associated with at least one of: 1) a menu; 2) another node; and 3) a control panel.
8. (Currently Amended) The tool-system of claim 1 wherein:
 - the tree provides a graphical representation of network resources.

9. (Currently Amended) The tool-system of claim 1 wherein:
the tool can be used to administer resources within an application and/or web server.

10. (Currently Amended) The tool-system of claim 1 wherein:
the at least one control panel can include tabs.

- 11-19. (Cancelled)

20. (Currently Amended) A method for customizing an administration tool, said method comprising:
providing a control tree including one or more nodes, each node corresponding to providing a control panel that invokes functionality of the application wherein the control panel is operable to configure a network accessible resource;
providing a plurality of applications, each application managed by the extensible administration tool, wherein the administration tool includes the control tree and the control panel;
extending the administration tool by adding one or more new control panels, each new control panel being added by creating a new node in the control tree a node to a graphical representation of a resource tree;
providing a first graphical user interface (GUI) operable to provide hierarchical navigation of the control tree;
providing a second GUI operable to provide the control panel;
deploying a new application on a network;
receiving a command to create the new node in the control tree;
associating the new node with the new application, wherein the new node in the control tree is associated with a managed bean object, the managed bean object defining where the new node appears in the control tree of the first GUI; and control panel; and
activating the new control panel within the second GUI upon selecting the new node in the control tree, wherein the control panel includes customizable functions operable to administer resources within the new application.
wherein the control panel can be activated by selection of the node in the resource tree;
wherein the administration tool is used to administer software and wherein the administration tool is extensible by adding the at least one control panel, the at least one control panel being added by updating the tree;
wherein the administration tool is used to administer an application server, the application server adapted to host application; and

~~wherein the console extension allowing for custom management of applications deployed onto the application server;~~

~~wherein nodes in the tree are associated with MBean objects and the tree is updated by associating a user extension with one of the MBean objects;~~

~~wherein the tree node where a user can access the console extension is a child of the node of the one of the MBean objects;~~

21. (Original) The method of claim 20 wherein providing a control panel comprises: implementing a Java Server Page (JSP).
22. (Original) The method of claim 20 wherein adding a node to the resource tree comprises: making the node a child of at least one other node.
23. (Original) The method of claim 20 wherein:
the tree contains at least one node; and
wherein the at least one node can represent a network-accessible entity that can be administratively controlled by the tool.
24. (Original) The method of claim 20 wherein:
the tree contains at least one node; and
wherein the at least one node is associated with at least one of: 1) a menu; 1) another node; and 3) a control panel.
25. (Original) The method of claim 20 wherein:
the tree provides a graphical representation of network resources.
26. (Original) The method of claim 20 wherein:
the tool can be used to administer resources within an application and/or a web server.
27. (Original) The method of claim 20 wherein:
the control panel can include tabs.

28-34. (Cancelled)

35. (Currently Amended) A machine readable storage medium having instructions stored thereon that when executed by a processor cause a system to:

provide a control tree including one or more nodes, each node corresponding to providing a control panel that invokes functionality of the application wherein the control panel is operable to configure a network accessible resource;

provide a plurality of applications, each application managed by the extensible administration tool, wherein the administration tool includes the control tree and the control panel;

extending the administration tool by adding one or more new control panels, each new control panel being added by creating a new node to the control tree a node to a graphical representation of a resource tree;

provide a first graphical user interface (GUI) operable to provide hierarchical navigation of the control tree;

provide a second GUI operable to provide the control panel;

deploy a new application on a network;

receive a command to create the new node in the control tree;

associate the new node with the new application, wherein the new node in the control tree is associated with a managed bean object, the managed bean object defining where the new node appears in the control tree of the first GUI; and control panel; and

activate the new control panel within the second GUI upon selecting the new node in the control tree, wherein the control panel includes customizable functions operable to administer resources within the new application,

wherein the control panel can be activated by selection of the node in the resource tree; and

wherein the tool can be used to administer resources within an application and/or a web server; wherein the administration tool is used to administer software and wherein the administration tool is extensible by adding at least one control panel, the at least one control panel being added by updating the tree;

wherein the administration tool is used to administer an application server the application server adapted to host application; and

wherein the console extension allowing for custom management of applications deployed onto the application server;

wherein nodes in the tree are associated with MBean objects and the tree is updated by associating a user extension with one of the MBean objects;

wherein the tree node where a user can access the console extension is a child of the node of the one of the MBean objects

36. (Original) The machine readable storage medium of claim 35 wherein providing a control panel comprises instructions that when executed cause the system to:
implement a Java Server Page (JSP).
37. (Currently Amended) The machine readable storage medium of claim 35 wherein adding a node to the resource tree further comprising instructions that when executed cause the system to:
make the node a child of at least one other node.
38. (Currently Amended) The machine readable storage medium of claim 35 wherein:
the tree contains at least one node; and
wherein the at least one node can represent a network-accessible entity that can be administratively controlled by the tool.
39. (Currently Amended) The machine readable storage medium of claim 35 wherein:
the tree contains at least one node; and
wherein the at least one node is associated with at least one of: 1) a menu; 1) another node; and 3) a control panel.
40. (Currently Amended) The machine readable storage medium of claim 35 wherein:
the tree provides a graphical representation of network resources.
41. (Currently Amended) The machine readable storage medium of claim 35 wherein:
the control panel can include tabs.
42. (New) The system of claim 1, wherein the framework includes a console extension that adds one or more nodes to the tree to manage a plurality of applications deployed on one or more servers of a cluster.
43. (New) The system of claim 1, wherein the framework includes one or more tabbed dialogs, wherein each tabbed dialog contain nested sub-tabs.
44. (New) The system of claim 43, wherein each tab contains functionality of the control panel.

45. (New) The method of claim 20, wherein the framework includes a console extension that adds one or more nodes to the tree to manage a plurality of applications deployed on one or more servers of a cluster.

46. (New) The method of claim 20, wherein the framework includes one or more tabbed dialogs, wherein each tabbed dialog contain nested sub-tabs.

47. (New) The method of claim 46, wherein each tab contains functionality of the control panel.

48. (New) The machine readable storage medium of claim 35, wherein the framework includes a console extension that adds one or more nodes to the tree to manage a plurality of applications deployed on one or more servers of a cluster.

49. (New) The machine readable storage medium of claim 35, wherein the framework includes one or more tabbed dialogs, wherein each tabbed dialog contain nested sub-tabs.

50. (New) The machine readable storage medium of claim 49, wherein each tab contains functionality of the control panel.